

Analyzing Longitudinal Achievement & Growth Data

Grade 5 Profile for Math (subject)

Subgroup 1 IEP Subgroup 2 ED

Enter the total % Proficient or Advanced for each year for the whole group and subgroup.

PSSA Performance Levels - % Proficient or Advanced				
Year	Entire Grade Level <u>5</u>	Subgroup 1	Subgroup 2	
2009	57.4 %	23.8 %	46.8 %	
2010	61.3 %	62.5 %	52.3 %	
2011	69.3 %	46.7 %	60.0 %	

Enter the % Proficient and the % Advanced for each year for the whole group and subgroup.

PSSA Performance Levels - Proportion of Advanced Students to Proficient Students									
Year	Entire Grade Level			Subgroup 1			Subgroup 2		
2009	29.4%P	27.5%A	23.8	0	%A	27.7	%P	19.1	%A
2010	25.2%P	36.1%A	50.0	12.5	%A	22.7	%P	24.5	%A
2011	40.8%P	28.5%A	40.0	6.7	%A	3.4	%P	23.6	%A

Enter the average scaled score for each year for the whole group and subgroup and indicate the proficiency range of that score (BB, B, P, A)

PSSA Average Scale Scores				
Year	Entire Grade Level <u>5</u>	Subgroup 1	Subgroup 2	
2009	1350 P	1180 B	1290 B	
2010	1390 P	1300 B	1350 P	
2011	1400 P	1290 B	1370 P	

SS Ranges - Math Grade 5
BB 700-1157
B 1158-1311
P 1312-1482
Adv 1483 & up

Enter the color of the growth measure for each year (DB, LB, G, Y, R).

PVAAS Value-Added - Grade Level Growth			
Year	Current Year Growth Indicator (Color)	3 Year Average Growth Indicator (Color)	
2009	Red		
2010	Red		
2011	Red	Red	

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Entire Grade Level			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic			+
Basic	-		-
Proficient	-		-
Advanced	-		-

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Subgroup 1			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic			+
Basic	-		0
Proficient			-
Advanced			-

blanks = not enough students to determine growth

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Subgroup 2			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic			0
Basic	-		-
Proficient	-		-
Advanced	-		-

Lines of Inquiry

1. Which groups are showing higher achievement?

overall student population

2. Which groups are showing higher growth?

Below Basic IEP
Below Basic overall Student Pop.

3. Which groups are showing lower achievement?

IEP students
ED students

4. Which groups are showing lower growth?

Basic, Proficient & Advanced
overall, IEP & ED

5. What patterns are you seeing across the various groups of students?

Overall students & ED students
made steady math achievement gains over the past 3 yrs.

6. Is this consistent with previous years?

7. What is the impact of the growth patterns on achievement results?

Reporting Categories

Enter the average percent correct for each reporting category for each year for both the whole group and subgroup.

	PSSA Reporting Categories					
	MSA	MSB	MSC	MSD	MS.E	
Grade Level 2009	58	41	46	66	64	
Grade Level 2010	61	43	57	66	79	
Grade Level 2011	63	45	63	53	72	
Subgroup 1 2009	39	28	28	50	50	
Subgroup 1 2010	54	34	44	61	71	
Subgroup 1 2011	53	37	49	41	59	
Subgroup 2 2009	51	35	39	63	56	
Subgroup 2 2010	57	40	54	61	77	
Subgroup 2 2011	61	42	59	48	68	

1. Where do we have possible strengths >60%? Is this consistent over time?

Data Analysis & Prob - fairly consistent strength

2. Where do we have possible weaknesses <60%? Is this consistent over time?

Measurement - YES!!

Geometry - w/ the exception of 2011

In 2011 - Algebraic Concepts

3. How does the pattern of performance of the subgroups compare to the patterns of performance of the whole grade level? Is this consistent over time?

4. Does our performance align with the PSSA blueprint?

Need: Focus more on Numbers & Operations & Improve measurement

5. What other data do you have to verify these findings?

Analyzing Longitudinal Achievement & Growth Data

Grade 5 Profile for Rdg (subject) Subgroup 1 1EP Subgroup 2 ED

Enter the total % Proficient or Advanced for each year for the whole group and subgroup.

PSSA Performance Levels - % Proficient or Advanced				
Year	Entire Grade Level	Subgroup 1	Subgroup 2	
2009	46.3 %	14.3 %	34.0 %	
2010	62.0 %	40.0 %	52.3 %	
2011	53.1 %	6.7 %	43.6 %	

Enter the % Proficient and the % Advanced for each year for the whole group and subgroup.

PSSA Performance Levels - Proportion of Advanced Students to Proficient Students				
Year	Entire Grade Level	Subgroup 1	Subgroup 2	
2009	28.7 %P 17.6 %A	14.3 %P 0 %A	21.3 %P 12.8 %A	
2010	47.9 %P 14.0 %A	40.0 %P 0 %A	45.5 %P 6.8 %A	
2011	40.8 %P 12.3 %A	0 %P 6.7 %A	36.4 %P 7.3 %A	

Enter the average scaled score for each year for the whole group and subgroup and indicate the proficiency range of that score (BB, B, P, A)

PSSA Average Scale Scores			
Year	Entire Grade Level	Subgroup 1	Subgroup 2
2009	1250 B	1040 BB	1180 B
2010	1310 P	1140 B	1250 B
2011	1290 P	1130 BB	1240 B

SS Ranges - Reading Grade 5

BB 700-1136
B 1137-1274
P 1275-1496
Adv 1497 & up

Enter the color of the growth measure for each year (DB, LB, G, Y, R).

PVAAS Value-Added - Grade Level Growth		
Year	Current Year Growth Indicator (Color)	3 Year Average Growth Indicator (Color)
2009	Red	
2010	Red	
2011	Red	Red

Red = Sig. evidence did not meet std. for academic growth

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Entire Grade Level			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic	+	0	
Basic	0	-	
Proficient	-	-	
Advanced	-	-	

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Subgroup 1			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic	0	+	
Basic		+	
Proficient		-	
Advanced			

blanks = not enough students to determine growth

Enter into each cell below: (+) if exceeded standard for PA Academic Growth; (0) if met standard for PA Academic Growth; and (-) if did not meet standard for PA Academic Growth.

PVAAS Performance Diagnostic Report - Subgroup 2			
Predicted Performance Level Group	Current Year	Prior 3 Years	
Below Basic	+	0	
Basic	0	-	
Proficient	-	-	
Advanced	-	-	

Lines of Inquiry

1. Which groups are showing higher achievement?

Overall student group

2. Which groups are showing higher growth?

Below Basic overall students
Below Basic Basic IEP students
Below Basic ED students

3. Which groups are showing lower achievement?

IEP Subgroups

4. Which groups are showing lower growth?

Proficient & Advanced students
overall, IEP & ED

5. What patterns are you seeing across the various groups of students?

In comparison to math performance,
fewer students are performing
at the advanced level
Greater achievement gap between
all students

Is this consistent with previous years?
& Subgroup performance

7. What is the impact of the growth patterns on achievement results?

Reporting Categories

Enter the average percent correct for each reporting category for each year for both the whole group and subgroup.

	PSSA Reporting Categories				
	RS.A	RS.A.1	RS.A.2	RS.5.8	
Grade Level 2009	60	61	60	60	
Grade Level 2010	68	69	66	68	
Grade Level 2011	63	61	65	66	
Subgroup 1 2009	41	41	40	43	
Subgroup 1 2010	53	55	50	54	
Subgroup 1 2011	50	48	53	49	
Subgroup 2 2009	55	56	54	53	
Subgroup 2 2010	63	65	60	65	
Subgroup 2 2011	58	57	60	64	

1. Where do we have possible strengths >60%? Is this consistent over time?

2. Where do we have possible weaknesses <60%? Is this consistent over time?

3. How does the pattern of performance of the subgroups compare to the patterns of performance of the whole grade level? Is this consistent over time?

4. Does our performance align with the PSSA blueprint?

No - need to improve Comprehending
Rdg Skills

5. What other data do you have to verify these findings?

PSSA Only

Group Summary: Scale Scores and Performance Levels

Grade 5

Showing all full academic year students.

Groups	Year	Mean Scale Score	% in Each Performance Level				% At/Above Proficient
			Below Basic	Basic	Proficient	Advanced	
Catasauqua Area SD Reading	2009	1250	34.3	19.4	28.7	17.6	46.3
	2010	1310	15.7	22.3	47.9	14.0	62.0
	2011	1290	20.0	26.9	40.8	12.3	53.1
IEP	2009	1040	76.2	9.5	14.3	0.0	14.3
	2010	1140	60.0	0.0	40.0	0.0	40.0
ED	2011	1130	53.3	40.0	0.0	6.7	6.7
	2009	1180	51.1	14.9	21.3	12.8	34.0
	2010	1250	25.0	22.7	45.5	6.8	52.3
Mathematics	2011	1240	32.7	23.6	36.4	7.3	43.6
	2009	1350	18.5	24.1	29.6	27.8	57.4
	2010	1390	14.3	24.4	25.2	36.1	61.3
IEP	2011	1400	7.7	23.1	40.8	28.5	69.2
	2009	1180	33.3	42.9	23.8	0.0	23.8
	2010	1300	37.5	0.0	50.0	12.5	62.5
ED	2011	1290	20.0	33.3	40.0	6.7	46.7
	2009	1290	25.5	27.7	27.7	19.1	46.8

Writing	2010	1350	18.2	29.5	22.7	29.5	52.3
	2011	1370	9.1	30.9	36.4	23.6	60.0
	2009	1290	0.9	42.6	53.7	2.8	56.5
	2010	1340	0.0	28.9	70.2	0.8	71.1
IEP	2011	1300	1.5	36.8	60.9	0.8	61.7
	2009	1070	0.0	85.7	14.3	0.0	14.3
	2010	1120	0.0	90.0	10.0	0.0	10.0
	2011	1030	11.1	72.2	16.7	0.0	16.7
ED	2009	1200	0.0	63.8	36.2	0.0	36.2
	2010	1320	0.0	38.6	61.4	0.0	61.4
	2011	1300	0.0	42.9	57.1	0.0	57.1

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

PSSA Only
Group Summary: Reporting Categories and Anchors
Grade 5

Showing all full academic year students.

Mathematics

Groups	Year	Number Tested	Numbers and Operations										Measurement												
			M5.A			M5.A.1			M5.A.2			M5.A.3			M5.B			M5.B.1			M5.B.2				
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%		
Catasauqua Area SD IEP ED	2011	130	19.6	31	63	10.9	17	64	5.2	9	58	3.5	5	70	4.5	10	45	7	41	2.9	7	41	1.6	3	55
	2011	15	16.5	31	53	8.9	17	52	4.7	9	53	2.9	5	59	3.7	10	37	7	33	2.3	7	33	1.4	3	47
	2011	55	18.9	31	61	10.7	17	63	4.9	9	55	3.3	5	65	4.2	10	42	7	38	2.6	7	38	1.5	3	51

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

Showing all full academic year students.

Mathematics

Groups	Year	Number Tested	Numbers and Operations										Measurement													
			M5.A		M5.A.1		M5.A.2		M5.A.3		M5.B		M5.B.1		M5.B.2											
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%						
Catasauqua Area SD	2010	119	19.6	32	61	10.3	16	64	5.4	10	54	3.8	6	64	4.7	11	43	3.4	7	49	3.4	7	49	1.3	4	33
IEP	2010	8	17.4	32	54	8.4	16	52	5.4	10	54	3.6	6	60	3.8	11	34	2.6	7	38	2.6	7	38	1.1	4	28
ED	2010	44	18.2	32	57	9.8	16	61	5.0	10	50	3.5	6	58	4.4	11	40	3.3	7	46	3.3	7	46	1.2	4	30

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Showing all full academic year students.

Mathematics

Groups	Year	Number Tested	Numbers and Operations										Measurement												
			M5.A		M5.A.1		M5.A.2		M5.A.3		M5.B		M5.B.1		M5.B.2		Mean	Max	%						
			Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max	Mean	Max									
Calataqua Area SD	2009	108	18.0	31	58	9.7	17	57	5.0	9	55	3.4	5	67	4.5	11	41	3.4	8	43	1.1	3	35		
IEP	2009	21	12.1	31	39	6.7	17	39	3.2	9	36	2.2	5	44	3.1	11	28	2.4	8	30	0.7	3	24		
ED	2009	47	15.9	31	51	8.8	17	52	4.2	9	47	2.8	5	57	3.8	11	35	2.9	8	37	0.9	3	30		
Summary scores do not include students with missing data.																									

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

PSSA Only

Group Summary: Reporting Categories and Anchors

Grade 5

Showing all full academic year students.

Mathematics

Groups	Year	Number Tested	Geometry									Algebraic Concepts								
			M5.C			M5.C.1			M5.C.2			M5.D			M5.D.1			M5.D.2		
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%
Catasauqua Area SD	2011	130	6.3	10	63	2.9	5	58	3.4	5	68	5.8	11	53	3.4	7	49	2.4	4	59
IEP	2011	15	4.9	10	49	2.5	5	49	2.5	5	49	4.5	11	41	2.7	7	38	1.8	4	45
ED	2011	55	5.9	10	59	2.7	5	53	3.3	5	65	5.3	11	48	3.2	7	46	2.0	4	51

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

Showing all full academic year students.

Mathematics

Groups	Year	Number Tested	Geometry									Algebraic Concepts								
			M5.C			M5.C.1			M5.C.2			M5.D			M5.D.1			M5.D.2		
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%
Catasauqua Area SD	2010	119	5.7	10	57	3.4	7	49	2.3	3	75	6.6	10	66	3.1	5	62	3.5	5	71
IEP	2010	8	4.4	10	44	2.5	7	36	1.9	3	63	6.1	10	61	2.8	5	55	3.4	5	68
ED	2010	44	5.4	10	54	3.2	7	46	2.2	3	72	6.1	10	61	2.9	5	57	3.2	5	65

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PSSA Only
Group Summary: Reporting Categories and Anchors
Grade 5

Showing all full academic year students.

		Mathematics																		
		Geometry						Algebraic Concepts												
Groups	Year	Number Tested	M5.C			M5.C.1			M5.C.2			M5.D			M5.D.1			M5.D.2		
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%
Catasauqua Area SD	2009	108	5.1	11	46	3.4	8	43	1.7	3	55	6.6	10	66	5.6	8	70	1.0	2	49
IEP	2009	21	3.1	11	28	2.0	8	24	1.1	3	38	5.0	10	50	4.2	8	53	0.8	2	38
ED	2009	47	4.3	11	39	2.9	8	36	1.4	3	48	6.3	10	63	5.3	8	66	1.0	2	49

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PSSA Only

Group Summary: Reporting Categories and Anchors

Grade 5

Showing all full academic year students.

Mathematics														
Data Analysis and Probability														
Groups	Year	Number Tested	M5.E			M5.E.1			M5.E.2			M5.E.3		
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%
Catasauqua Area SD	2011	130	7.2	10	72	1.3	2	65	1.9	3	64	4.0	5	80
IEP	2011	15	5.9	10	59	1.0	2	50	1.5	3	51	3.4	5	68
ED	2011	55	6.8	10	68	1.2	2	60	1.9	3	62	3.8	5	75

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Showing all full academic year students.

Mathematics												
<i>Data Analysis and Probability</i>												
Groups	Year	Number Tested	<i>M5.E</i>			<i>M5.E.2</i>			<i>M5.E.3</i>			
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Max
Catasauqua Area SD	2010	119	7.1	9	79	4.7	6	78	2.4	3	81	
IEP	2010	8	6.4	9	71	4.0	6	67	2.4	3	79	
ED	2010	44	6.9	9	77	4.5	6	75	2.4	3	80	

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PSSA Only

Group Summary: Reporting Categories and Anchors Grade 5

Showing all full academic year students.

Mathematics										
Data Analysis and Probability										
Groups	Year	Number Tested	M5.E			M5.E.2			M5.E.3	
			Mean	Max	%	Mean	Max	%	Mean	Max
Catasauqua Area SD	2009	108	5.7	9	64	5.2	8	65	0.5	1
IEP	2009	21	4.5	9	50	4.0	8	49	0.5	1
ED	2009	47	5.0	9	56	4.6	8	57	0.4	1

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

PSSA Only

Group Summary: Reporting Categories and Anchors

Grade 5

Showing all full academic year students.

		Reading																					
		Comprehension and Reading Skills						Interpretation and Analysis of Fiction and Nonfiction Text															
Groups	Year	Number Tested	R5.A		R5.A.1		R5.A.2		R5.B		R5.B.1		R5.B.2		R5.B.3								
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%						
Catasauqua Area SD	2009	108	17.5	29	60	7.3	12	61	10.2	17	60	13.9	23	60	8.9	15	59	2.6	4	64	2.5	4	61
IEP	2009	21	11.8	29	41	5.0	12	41	6.9	17	40	9.9	23	43	6.1	15	41	1.6	4	40	2.1	4	52
ED	2009	47	15.9	29	55	6.7	12	56	9.2	17	54	12.2	23	53	7.8	15	52	2.3	4	57	2.2	4	54

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

Showing all full academic year students.

		Reading																					
		Comprehension and Reading Skills						Interpretation and Analysis of Fiction and Nonfiction Text															
Groups	Year	Number Tested	R5.A		R5.A.1		R5.A.2		R5.B		R5.B.1		R5.B.2		R5.B.3								
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%						
Catasauqua Area SD	2010	121	20.9	31	68	11.1	16	69	9.9	15	66	14.3	21	68	7.2	11	65	3.3	5	66	3.8	5	76
IEP	2010	10	16.3	31	53	8.8	16	55	7.5	15	50	11.3	21	54	6.1	11	55	2.7	5	54	2.5	5	50
ED	2010	44	19.4	31	63	10.5	16	65	8.9	15	60	13.5	21	65	6.8	11	62	3.2	5	65	3.5	5	71

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

Showing all full academic year students.

		Reading																					
		Comprehension and Reading Skills						Interpretation and Analysis of Fiction and Nonfiction Text															
Groups	Year	Number Tested	R5.A		R5.A.1		R5.A.2		R5.B		R5.B.1		R5.B.2		R5.B.3								
			Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%	Mean	Max	%						
Catasauqua Area SD	2011	130	20.0	32	63	10.9	18	61	9.1	14	65	13.2	20	66	5.1	8	63	4.0	6	66	4.2	6	70
IEP	2011	15	16.1	32	50	8.7	18	48	7.5	14	53	9.9	20	49	3.7	8	46	3.0	6	50	3.2	6	53
ED	2011	55	18.6	32	58	10.2	18	57	8.3	14	60	12.7	20	64	4.8	8	60	3.8	6	64	4.1	6	68

- Summary scores do not include students who were home schooled, excluded from score aggregation at school or district level, enrolled in the school or district after October 1, LEP students less than one year in school, or students who did not attempt.

2011 - 2012 PSSA Grade 3 - 8, and 11 Mathematics Assessment Blueprint*

Reporting Category	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
A. Numbers And Operations	40% - 50%	43% - 47%	41% - 45%	28% - 32%	20% - 24%	18% - 22%	12% - 15%
B. Measurement	12% - 15%	12% - 15%	12% - 15%	12% - 15%	12% - 15%	12% - 15%	12% - 15%
C. Geometry	12% - 15%	12% - 15%	12% - 15%	15% - 20%	15% - 20%	15% - 20%	12% - 18%
D. Algebraic Concepts	12% - 15%	12% - 15%	13% - 17%	15% - 20%	20% - 27%	25% - 30%	38% - 42%
E. Data Analysis and Probability	13% - 16%	12% - 15%	12% - 15%	15% - 20%	15% - 20%	15% - 20%	12% - 18%
Total Points	72 pts.	72 pts.	72 pts.	72 pts.	72 pts.	72 pts.	72 pts.

**At each grade level the table shows the range in the percent of points to be devoted to each reporting category. The exact percentage for a reporting category will depend upon where the open-ended items are placed..*

2011-2012 PSSA Grade 3 - 8, and 11 Reading Assessment Blueprint*

Reporting Category	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
A. Comprehension and Reading Skills	60% - 80%	60% - 80%	60% - 80%	50% - 70%	50% - 70%	40% - 60%	40% - 60%
B. Interpretation and Analysis of Fiction and Nonfiction Text	20% - 40%	20% - 40%	20% - 40%	30% - 50%	30% - 50%	40% - 60%	40% - 60%
Total Points	46 pts.	52 pts.	52 pts.	52 pts.	52 pts.	52 pts.	52 pts.

*Percentages are approximate